

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/752,672	12/28/2000	Jae-Young Lee	51876.P228	9381
------------	------------	---------------	------------	------

8791 7590 07/27/2004

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD
SEVENTH FLOOR
LOS ANGELES, CA 90025-1030

EXAMINER

CHANG, JUNGWON

ART UNIT	PAPER NUMBER
----------	--------------

2154

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/752,672

Applicant(s)

LEE ET AL.

Examiner

Jungwon Chang

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7/3/01.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-8 are presented for examination.
2. It is noted that although claims contain line numbers, the line numbers in the claims do not correspond to the preferred format. The preferred format is to number each line of every claim, with each claim beginning with line 1. For ease of reference by both the examiner and applicant all future correspondence should include the recommended line numbering.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
4. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
 - a. The terms in the claims lack proper antecedent basis:
 - i. the server – claim 2, line 5;
 - ii. the participants – claim 3, lines 4-5;
 - b. The claim language in the following claims is not clearly understood:
 - i. As to claim 1, line 4, the phrase “transforming the URL of the

Art Unit: 2154

search web page” is not clearly indicated that transforming the URL of the page into what format.

ii. As to claim 2, line 5, it is uncertain whether “the server” refers to “a collaborative browsing server” in claim 2, line 3;

Lines 5-6, it is not clearly understood what is meant by “requests the server of the requested web page to send it thereto” (i.e., Is it intended to mean that sending the requested web page to a web server?);

Line 8, it is not clearly understood what is meant by “its server” (i.e., collaborative browsing server or server?)

iii. As to claim 5, it is uncertain whether a web server refers to a target web server in claim 5, line 3;

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Ohkado et al. (US 6,668,276), hereinafter Ohkado.

Art Unit: 2154

7. As to claim 8, Ohkado discloses a collaborative browsing system comprising:

a collaborative browsing server processor (i.e., collaboration server, 110, fig. 3 including a central processing unit (cpu), col. 7, lines 26-27) for communicating with a collaborative browsing client (i.e., customer, agent, fig. 1; 130, 170, fig. 3) (i.e., at the collaboration server, an httpd function for first receiving and then replying to http requests, col. 9, lines 11-12; customer sends request to start collaboration to the collaboration server, col. 11, lines 64-65);

a web server (i.e., web server, 140, figs. 1 and 3; 111, fig. 3) therein a common gateway interface (CGI; i.e., providing a web server to interact dynamically with collaborative browsing server processor, col. 15, lines 6-27) for communicating with the collaborative browsing server processor (i.e., collaboration server is equipped with a web server, col. 9, lines 6-16; col. 12, lines 1-11); and

an operating system for operating the web server (i.e., the code provides instructions to the CPU in unison with the operating system so as to execute the present invention, col. 7, lines 38-42; col. 8, lines 37-62).

8. As to claim 1, Ohkado discloses the invention a collaborative browsing method applied a collaborative browsing system (i.e., two web browsers are being shared the same HTML content; col. 9, lines 19-21; col. 6, lines 32-44), comprising:

a first step of searching for web page that a user (i.e., customer; 130, fig. 1) requests (i.e., analyzing the contents of HTTP requests sent from the web browser to the web server; col. 9, lines 48-55; col. 10, lines 33-34), transforming the URL of the

Art Unit: 2154

searched web page (i.e., transition URL of the HTML code (web page); col. 6, lines 48-67; sending the translated HTML code to the customer web browser; col. 14, lines 20-21; page alterations can be detected on the customer side; col. 9, lines 26-27; translating the contents of the HTML code by HTML translator; col. 13, lines 47-53), storing it (i.e., caching HTML responses; col. 9, lines 17-18 and 23-25), and then transmitting the web page to the user (i.e., receiving responses from the web server to web browser; col. 10, lines 34-36); and

a second step of sending the transformed URL of the web page to other users (i.e., agents; 170, fig. 1; col. 11, lines 8-12 and 46-49) who participate in the same session (i.e., collaboration session; col. 9, lines 31-36; col. 10, lines 8-12) in which the user is joining (i.e., sending the transition destination URL of HTML file, i.e., transformed URL web, to the second information terminal, i.e., other users; col. 3, lines 43-45), and transmitting the stored web page to the other users if they request it (i.e., the same URL can be displayed on the other users; col. 9, lines 23-25; two web browsers are being shared the same HTML content is returned for HTTP requests sent from two web browsers; col. 9, lines 19-21; col. 3, lines 45-47).

9. As to claims 2 and 3, Ohkado discloses a collaborative browsing server (i.e., collaboration server, 110, fig. 3) receives the request for web page search from the user (i.e., at the collaboration server, an httpd function for first receiving and then replying to http requests is necessary; col. 9, lines 11-12 and 48-55) and requests the server of the requested web page to send it thereto (i.e., HTTP requests sent from the web browser

Art Unit: 2154

of client to the web server; col. 9, lines 49-51); the collaborative browsing server transforms the URL of the web page sent from its server into a URL of the collaborative browsing server (i.e., sending the translated HTML code to the customer web browser; col. 14, lines 20-21; page alterations can be detected on the customer side; col. 9, lines 26-27; translating the contents of the HTML code by HTML translator; col. 13, lines 47-53) and stores it (i.e., caching HTML responses; col. 9, lines 17-18 and 23-25); and the collaborative browsing server transmits the web page whose URL has been transformed to the user (i.e., receiving responses from the web server to web browser; col. 10, lines 34-36).

10. As to claim 4, it is rejected for the same reasons set forth in claim 1 above. In addition, Ohkado discloses a recording medium (i.e., MO or CD-ROM; col. 7, lines 35-37) capable of being read by a computer (col. 7, lines 38-46), the recording medium recoding a program for executing a first function of searching for a web page that a user requests (col. 4, lines 54-63; col. 5, lines 27-36).

11. As to claim 5, Ohkado discloses a collaborative browsing server processor (i.e., collaboration server, 110, figs. 1 and 3) for retrieving a web page from a target web server (i.e., web server, 140, figs. 1 and 3; 111, fig. 3) through HTTP (Hypertext Transfer Protocol) to process the web page (col. 6, lines 45-50) and store the processed web page therein (i.e., collaboration server storing the HTML content in its cache manager; col. 9, lines 17-18 and 23-25);

Art Unit: 2154

a web server (i.e., web server, 140, figs. 1 and 3; 111, fig. 3) provided with a storage memory (i.e., RAM, ROM, hard disk drive, etc) and a common gateway interface (CGI; i.e., providing a web server to interact dynamically with collaborative browsing server processor, col. 15, lines 6-27) for being communicated with the collaborative browsing server processor (i.e., collaborative browsing server is equipped with a web server, col. 9, lines 6-16; col. 12, lines 1-11); and

a web browser (i.e., web browser, 131, 175, fig. 3), provided with a communication module (i.e., modem, communications adapter card (Ethernet or token ring card), col. 7, lines 54-56), a first and a second communicating communication channels, for communicating with the web server through the first communication channel (i.e., web browsers designate URLs and send requests to web servers and receive responses sent from the web server, col. 10, lines 33-36; customer terminal is linked to the web server, col. 11, lines 62-63) and for receiving/sending TCP/IP socket (i.e., connecting to a network via serial port, col. 7, lines 54-55) through second communication channel to communicate the communication module (i.e., connecting to a network via modem or the communications adapter card, col. 7, line 55-58), and the collaborative browsing server processor, respectively (i.e., the customer sends a request to start collaboration to the collaborative server, col. 11, lines 64-65).

12. As to claim 6, Ohkado discloses the collaborative browsing server processor transfers information from the communication module to a communication module of other users (i.e., The collaborative server is connected to a network via modem or the

Art Unit: 2154

communications adapter card and is capable of communicating with other computers, col. 7, line 54-58).

13. As to claim 7, Ohkado discloses the first communication channel transfers information by using HTTP (i.e., HTTP requests sent from the web browser of customer to the web server, col. 9, lines 48-51; col. 10, lines 27-29).

Conclusion

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Aravamudan et al, patent 6,732,145, Kusuda et al, patent 6,567,848, Anupam et al, patent 5,991,796, Anupam et al, patent 5,862,330, Cuomo et al, patent 5,861,883 disclose the method and system for collaborative browsing among users.


15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jungwon Chang whose telephone number is (703)305-9669. The examiner can normally be reached on 9:30-6:00 (Monday-Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703)305-8498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2154

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jungwon Chang
July 21, 2004



ZARNI MAUNG
PRIMARY EXAMINER